

CLAIMS:

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1. (Currently amended) A data cable having a plurality of insulated signal transmission conductors, a cable covering, and an interior support, comprising: said interior support ~~comprising:~~ having:

Y/ a cylindrical longitudinally extending central portion; a plurality of splines radially extending from said central portion along a length of said central portion, said splines having a triangular cross-section with the base of the triangle forming part of the central portion, each of said triangular splines having the same radius and a top ; and each spline of said plurality of splines being adjacent to two other splines of said plurality of splines to form a plurality of longitudinal channels;

said cable covering contacting the top of each spline to define ~~a shield having a lateral fold, said shield supported by said triangular splines, said shield and splines defining~~ a plurality of at least four conductor compartments; and

a signal transmission conductor from said plurality of signal transmission conductors disposed in each of said compartments.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Currently amended) A data cable having a plurality of twisted pair conductors, a cable covering, and an interior support comprising:

said interior support having:

a longitudinally extending central portion forming a portion of said support; a plurality of spaced projections extending from said central portion and each having a top end; each projection of said plurality of projections being adjacent to two other projections of said plurality of projections to form a plurality of open areas;

~~at least one of said projections are free of any protuberances substantially~~  
~~restricting an opening into any of said open areas; , said plurality of~~  
~~projections forming a plurality of adjacent projections; a different open area~~  
~~defined by each of said plurality of adjacent projections;~~

said cable covering contacting the top end of each projection to define a plurality  
of at least four conductor compartments;

only one twisted pair conductor from said plurality of twisted pair conductors disposed in each conductor compartment; ~~different open area defined by each of said plurality of adjacent projections, wherein at least one of said projections are free of any protuberances substantially restricting an opening into any of said open areas;~~

each twisted pair conductor having a first insulated electrical conductor and a second insulated electrical conductor, said first and second insulated conductors twisted about each other to form a twisted pair.

12. (Previously amended) The cable of claim 11 wherein said open area is an open area selected from a group consisting of a channel, a groove, a duct, and a passage.
13. (Previously amended) The cable of claim 11 wherein each of said projections is a projection selected from a group consisting of a prong, a spline, and an arm.
14. (currently amended) A data cable having a plurality of twisted pair conductors, a cable covering, and an interior support comprising:  
said interior support having:

a longitudinally extending central portion forming a portion of said support; a plurality of projections extending from said central portion; each projection of said plurality of projections being adjacent to two other projections of said plurality of projections, said plurality of projections forming a plurality of adjacent projections; ~~a different~~ an open area defined by each of said plurality of adjacent projections and each open

area has a volume equal to or greater than a volume of at least one

projection adjacent to each open area ;

said cable covering contacting a top end of each projection to define a plurality of  
at least four conductor compartments;

only one twisted pair conductor from said plurality of twisted pair

conductors disposed in each conductor compartment; and ~~different open area~~

~~defined by each of said plurality of adjacent projections, wherein each open area~~

~~has a volume equal to or greater than a volume of at least one projection adjacent~~  
~~to each open area;~~

each twisted pair conductor having a first insulated electrical conductor and a  
second insulated electrical conductor, said first and second insulated conductors  
twisted about each other to form a twisted pair.

15. (Previously added) The cable of claim 1 wherein the interior support has a helical twist.
16. (Previously added) The cable of claim 14 wherein each of said projections is a projection selected from a group consisting of a prong, a spline, and an arm.
17. (Previously added) The cable of claim 14 wherein said open area is an open area selected from a group consisting of a channel, a groove, a duct, and a passage.
18. (new) The data cable of claim 1 wherein the cable covering includes a shield having a lateral fold and a cable jacket.
19. (new) The data cable of claim 1 wherein the cable covering is only a jacket, the interior support is an unshielded plastic support, the transmission conductors are

unshielded twisted pair conductors with only one twisted pair conductor in each conductor compartment.

20. (new) The data cable of claim 19 wherein the unshielded plastic support is flame and smoke resistant.

21. (new) The data cable of claim 11 wherein the cable covering includes a shield having a lateral fold and a cable jacket.

22. (new) The data cable of claim 11 wherein the cable covering is only a jacket, the interior support is an unshielded plastic support, the twisted pair conductors are unshielded twisted pair conductors.

23. (new) The data cable of claim 22 wherein the unshielded plastic support is flame and smoke resistant.

24. (new) The data cable of claim 14 wherein the cable covering includes a shield having a lateral fold and a cable jacket.

25. (new) The data cable of claim 14 wherein the cable covering is only a jacket, the interior support is an unshielded plastic support, and the twisted pair conductors are unshielded twisted pair conductors.

26. (new) The data cable of claim 25 wherein the unshielded plastic support is flame and smoke resistant.